



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

14475

C45-K-OH

Job Sheet OH191935



Part No: C45-K-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/13/19

Job Tracking No: RA629

Due Date: 5/7/19

Created By: Jennifer Renwick

Type: Rework - OH

Description: Order 14475 / Orig SN #
AC11005

Note: DWG C45-K Rev 2 IPP Rev B 18.04.04 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
110	External Load - 1	1 pcs	5/7/19	5/7/19	0.00	1.00	External Load - 1	
							External Load - 2	
							External Load - 3	
120	QC 5	1 pcs	5/7/19	5/7/19	0.00	0.00	QC5	
130	Customer Acceptance	1 pcs	5/7/19	5/7/19	0.00	0.00		
135	Outsource	1 pcs	5/7/19	5/7/19			SKY002-VC	
136	Packaging 2-1 - Receive - B4B	1 pcs	5/7/19	5/7/19	0.00	0.00	Packaging 2 - 1 - B4B	
137	QC 6	1 pcs	5/7/19	5/7/19	0.00	0.00	QC 6 - 61	
138	Small Fab - 2 - B4B	1 pcs	5/7/19	5/7/19	0.00	0.00	Small Fab - 1 - B4B	
145	Outsource - 15 - Nickel Plate	1 pcs	5/7/19	5/7/19			GRO002-VC	
150	Packaging 2-2 - Receive - B4B	1 pcs	5/7/19	5/7/19	0.00	0.00	Packaging2	
160	QC 6	1 pcs	5/7/19	5/7/19	0.00	0.00	QC6	
170	Small Fab - 3 - B4B	1 pcs	5/7/19	5/7/19	0.00	1.00	Small Fab-9	
180	QC 5	1 pcs	5/7/19	5/7/19	0.00	0.00	QC5	
185	DC - 1 - B4B	1 pcs	5/7/19	5/7/19	0.00	0.00	DC	
190	Packaging 3-1 - Stock - B4B	1 pcs	5/7/19	5/7/19	0.00	0.00	Packaging3-2	
200	QC21-FG	1 Ea	5/7/19	5/7/19	0.00	0.00	QC21	

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 135 - LIQUID PENETRANT INSPECTION AS PER QSI 038

145 - Issue P/O; -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0009-.0011 -Bake after plating -Material type; -Certificate of Conformity is required

170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels



Container No: S162005



Part: C45-K

Job No: OH191935

Serial No/Batch: AC11005

Revision: 2

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/27/19

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C45-K-AR	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless	1 pcs (1 ea)	110-External Load - 1	
188-FSCS-1032-5/8	Set Screw	4 Ea (4 ea)	170-Small Fab - 3 - B4B	
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
600.1312	Caution Sticker	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
7856K75	Heat Shrink Tubing Color Black	.5000 ft (.5 ea)	170-Small Fab - 3 - B4B	
AN4-23A	Bolt	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
AN5-21A	Bolt	4 Ea (4 ea)	170-Small Fab - 3 - B4B	
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
C45-10-1P	Lock Spring Pin	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-10-2	Lock Spring	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-11-2	Locating Pin	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
C45-12-1	Lock Bushing	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-12-6P	Retaining Ring	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-13-1-PO	Keeper Bushing	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-2-1	Sideplate - MRK	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-3-1	Radial Bearing	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
C45-3-12	Latch Roller Bearing	1 Ea (1 ea)	170-Small Fab - 3 - B4B	
C45-3-2-1P	Snap Ring	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-3-4	Pin	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-3-4-1	Retaining Ring	4 Ea (4 ea)	170-Small Fab - 3 - B4B	
C45-3-5P	Teflon Spacer	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-3-7P	Link	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-3-8A	Actuator Shaft Bushing	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-3-8B	Actuator Shaft Bushing	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-3-9	Lever Spring	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-4-1	Trunnion Bushing	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-5-1P	Lever Stop Pin	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-7-1	LOADBEAM BUMPER	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-7-2	Lock Bumper	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-8-1-2	Solenoid Nut	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge	1 ft (1 ea)	170-Small Fab - 3 - B4B	
MS21044N5	Nut	4 Ea (4 ea)	170-Small Fab - 3 - B4B	
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab - 3 - B4B	
NAS1149F0463P	Washer	3 Ea (3 ea)	170-Small Fab - 3 - B4B	
NAS1149F0563P	Washer	8 Ea (8 ea)	170-Small Fab - 3 - B4B	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-External Load - 1	C45-K	1	0	0
170-Small Fab - 3 - B4B	188-FSCS-1032-5/8	4	78	4

Plex 3/27/19 10:06 AM Dart.Renwick.Jennife

Allocated Container Detail			
Qty	Container No	Location	Init
4	S166009	ga201	_____
32448		2 219	2
Allocated Container Detail			
Qty	Container No	Location	Init
2	S166113	ga202	_____
600.1312		1 19	1
Allocated Container Detail			
Qty	Container No	Location	Init
1	S166152	ga203	_____
7856K75		1 29	1
Allocated Container Detail			
Qty	Container No	Location	Init
1	S166149	ga-alain	_____
AN4-23A		2 690	0
AN5-21A		4 364	4
Allocated Container Detail			
Qty	Container No	Location	Init
4	S166114	ga198	_____
C2-14-2		2 182	0
C45-10-1P		1 21	1
Allocated Container Detail			
Qty	Container No	Location	Init
1	S166139	ga206	_____
C45-10-2		1 11	1
Allocated Container Detail			
Qty	Container No	Location	Init
1	S166115	ga206	_____
C45-11-2		2 43	2
Allocated Container Detail			
Qty	Container No	Location	Init
2	S166116	ga206	_____
C45-12-1		2 29	2
Allocated Container Detail			
Qty	Container No	Location	Init
2	S166117	ga206	_____
C45-12-6P		2 371	2
Allocated Container Detail			
Qty	Container No	Location	Init
2	S166140	ga207	_____
C45-13-1		2 36	2
Allocated Container Detail			
Qty	Container No	Location	Init
2	S166142	ga207	_____
C45-2-1		1 14	0
C45-3-1		2 121	2
Allocated Container Detail			
Qty	Container No	Location	Init
2	S166118	ga206	_____

C45-3-12	1	86	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S166119	ga206	_____

C45-3-2-1P	2	306	2
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Allocated Container Detail

Qty	Container No	Location	Init
2	S166145	ga206	_____

C45-3-4	2	60	2
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Allocated Container Detail

Qty	Container No	Location	Init
2	S166120	ga206	_____

C45-3-4-1	4	165	4
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Allocated Container Detail

Qty	Container No	Location	Init
4	S166121	ga206	_____

C45-3-5P	2	73	2
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Allocated Container Detail

Qty	Container No	Location	Init
2	S166141	ga206	_____

C45-3-7P	1	62	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S166138	ga206	_____

C45-3-8A	1	30	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S166122	ga206	_____

C45-3-8B	1	17	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S166123	ga206	_____

C45-3-9	1	31	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S166124	ga206	_____

C45-4-1	2	30	2
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Allocated Container Detail

Qty	Container No	Location	Init
2	S166125	ga206	_____

C45-5-1P	1	24	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S166144	ga206	_____

C45-7-1	1	18	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S166126	ga192	_____

C45-7-2	2	28	2
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Allocated Container Detail

Qty	Container No	Location	Init
2	S166127	ga206	_____

C45-8-1-2	2	33	2
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Allocated Container Detail

Qty	Container No	Location	Init
2	S166128	ga206	_____

C45-8-4	1	9	0
EL314-SJTOW	1	718	0
MS21044N5	4	89	4

Allocated Container Detail

Qty	Container No	Location	Init
4	S166129	ga199	_____

MS27039-4-08	1	229	0
NAS1149F0463P	3	525	3

Allocated Container Detail

Qty	Container No	Location	Init
3	S166130	ga-alain	_____

NAS1149F0563P	8	405	8
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Allocated Container Detail

Qty	Container No	Location	Init
8	S166131	fp001	_____

Part Specifications

Specifications could not be found.

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C45-K-OH

Job Sheet OH191935



Part No: C45-K-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 3/13/19

Job Tracking No: RA629

Due Date: 5/7/19

Created By: Jennifer Renwick

Type: Rework - OH

Description: Order 14475 / Orig SN #
AC11005

Note: DWG C45-K Rev 2 IPP Rev B 18.04.04 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	External Load - 1	1 pcs		5/7/19	0.00	1.00	External Load - 1		JK
							External Load - 2		
							External Load - 3		
120	QC	1 pcs		5/7/19	0.00	0.00	QC5		
130	Customer Acceptance	1 pcs		5/7/19	0.00	0.00			
135	Outsource	1 pcs		5/7/19			SKY002-VC	P/O: 042937	MAR 20 2019
145	Outsource	1 pcs		5/7/19			GRO002-VC	5	
150	Packaging	1 pcs		5/7/19	0.00	0.00	Packaging2		
160	QC	1 pcs		5/7/19	0.00	0.00	QC6		
170	Small Fab	1 pcs		5/7/19	0.00	1.00	Small Fab-9		
180	QC	1 pcs		5/7/19	0.00	0.00	QC5		
185	DC	1 pcs		5/7/19	0.00	0.00	DC		
190	Packaging	1 pcs		5/7/19	0.00	0.00	Packaging3-2		
200	QC21-FG	1 Ea		5/7/19	0.00	0.00	QC21		

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C45-K-AR	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless	1 pcs (1 ea)	110-External Load - 1	5161749
188-FSCS-1032-5/8	Set Screw	4 Ea (4 ea)	170-Small Fab	5047611
2595K22	Heat Shrink Tube	1 pcs (1 ea)	170-Small Fab	5058851
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab	51511005 134207
600-1309	CANAM Plate ID Label	1 pcs (1 ea)	170-Small Fab	
600-1312	Caution Sticker	1 pcs (1 ea)	170-Small Fab	5098056
AN4-23A	Bolt	2 Ea (2 ea)	170-Small Fab	5123434-1
AN5-21A	Bolt	4 Ea (4 ea)	170-Small Fab	5097081-1
C10-41	Strain Relief Connector	1 Ea (1 ea)	170-Small Fab	5040662
02-44-2	Label Rivets	2 Ea (2 ea)	170-Small Fab	
C45-1-1	Manual Knob Release	1 pcs (1 ea)	170-Small Fab	5029295
C45-10-1	Lock Spring Pin	1 Ea (1 ea)	170-Small Fab	5029393
C45-10-2	Lock Spring	1 pcs (1 ea)	170-Small Fab	5135379
C45-11-1	Sideplate, Solenoid Side	1 pcs (1 ea)	170-Small Fab	
C45-11-2	Locating Pin	2 Ea (2 ea)	170-Small Fab	5089115
C45-12-1	Lock Bushing	2 pcs (2 ea)	170-Small Fab	5163187
C45-12-2	Lock Shaft	1 pcs (1 ea)	170-Small Fab	5163645
C45-12-3	Lock	1 pcs (1 ea)	170-Small Fab	5083337
C45-12-4	Lock Roller	1 pcs (1 ea)	170-Small Fab	5108073
C45-12-5	Lock Roller Pin	1 pcs (1 ea)	170-Small Fab	5093171
C45-12-6	Retaining Ring	2 Ea (2 ea)	170-Small Fab	5029303
C45-13-1	Keeper Bushing	2 pcs (2 ea)	170-Small Fab	5125630
C45-13-3	Keeper Shaft	1 Ea (1 ea)	170-Small Fab	5157825
C45-15	Keeperless Adapter	1 pcs (1 ea)	170-Small Fab	5123093
C45-2-1 OK	Sideplate - MRK	1 pcs (1 ea)	170-Small Fab	5164564
C45-3-1	Radial Bearing	2 Ea (2 ea)	170-Small Fab	5060134
C45-3-10	Latch Shaft	1 pcs (1 ea)	170-Small Fab	5041144
C45-3-11	Actuator	1 pcs (1 ea)	170-Small Fab	
C45-3-12	Latch Roller Bearing	1 Ea (1 ea)	170-Small Fab	5053842
C45-3-2	Latch Roller Pin	1 pcs (1 ea)	170-Small Fab	5029316
C45-3-2-1	Snap Ring	2 Ea (2 ea)	170-Small Fab	5029317
C45-3-3	Latch Roller	1 pcs (1 ea)	170-Small Fab	5127763
C45-3-4	Pin	2 pcs (2 ea)	170-Small Fab	5133668
C45-3-4-1	Retaining Ring	4 Ea (4 ea)	170-Small Fab	5119803
C45-3-5	Teflon Spacer	2 Ea (2 ea)	170-Small Fab	5029331
C45-3-6	Latch	1 pcs (1 ea)	170-Small Fab	
C45-3-7 OK	Link	1 pcs (1 ea)	170-Small Fab	5029322
C45-3-8A	Actuator Shaft Bushing	1 pcs (1 ea)	170-Small Fab	5078570
C45-3-8B	Actuator Shaft Bushing	1 pcs (1 ea)	170-Small Fab	5163197
C45-3-9	Lever Spring	1 pcs (1 ea)	170-Small Fab	5089520
C45-4-1	Trunnion Bushing	2 pcs (2 ea)	170-Small Fab	5163245
C45-4-4KA	Load Beam Keeperless Assembly	1 pcs (1 ea)	170-Small Fab	
C45-4-5	Loadbeam Spacer	1 pcs (1 ea)	170-Small Fab	
C45-5-1 OK	Lever Stop Pin	1 Ea (1 ea)	170-Small Fab	5029329
C45-5-2	Lever Stop	1 pcs (1 ea)	170-Small Fab	5029330
C45-7-1	LOADBEAM BUMPER	1 pcs (1 ea)	170-Small Fab	5156421
C45-7-2	Lock Bumper	2 pcs (2 ea)	170-Small Fab	5163721
C45-8-1-2	Solenoid Nut	2 pcs (2 ea)	170-Small Fab	5163995
C45-8-2	Solenoid	1 pcs (1 ea)	170-Small Fab	5157835
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	170-Small Fab	5191779
C45-8-5	Solenoid Cover	1 pcs (1 ea)	170-Small Fab	5046392
C45-9-1	Clock Spring Cover	1 pcs (1 ea)	170-Small Fab	5029337
C45-9-2	Clock Spring	1 pcs (1 ea)	170-Small Fab	5107946
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab	5164046
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge	1 ft (1 ea)	170-Small Fab	
MS21044N5	Nut	4 Ea (4 ea)	170-Small Fab	5083546
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab	5039338
NAS1149F0463P	Washer	3 Ea (3 ea)	170-Small Fab	5098088-2
NAS1149F0563P	Washer	8 Ea (8 ea)	170-Small Fab	5098031-1

C45-3-7 LINK

1

5029322

7 01004-08-047

5159114

188-FPSS - 1/4 x 20 x 3/8

5048557

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-External Load - 1 170-Small Fab	C45-K	1	0	0
	188-FSCS-1032-5/8	4	98	0
	2595K22	1	35	0
	32448	2	219	0
	600.1309	1	0	0
	600.1312	1	19	0
	AN4-23A	2	690	0
	AN5-21A	4	364	0
	C10-41	1	28	0
	C2-14-2	2	182	0
	C45-1-1	1	7	0
	C45-10-1	1	162	0
	C45-10-2	1	11	0
	C45-11-1	1	0	0
	C45-11-2	2	43	0
	C45-12-1	2	15	0
	C45-12-2	1	5	0
	C45-12-3	1	11	0
	C45-12-4	1	19	0
	C45-12-5	1	47	0
	C45-12-6	2	114	0
	C45-13-1	2	0	0
	C45-13-3	1	8	0
	C45-15	1	2	0
	C45-2-1	1	3	0
	C45-3-1	2	121	0
	C45-3-10	1	9	0
	C45-3-11	1	5	0
	C45-3-12	1	86	0
	C45-3-2	1	0	0
	C45-3-2-1	2	93	0
	C45-3-3	1	25	0
	C45-3-4	2	60	0
	C45-3-4-1	4	165	0
	C45-3-5	2	99	0
	C45-3-6	1	4	0
	C45-3-7	1	0	0
	C45-3-8A	1	30	0
	C45-3-8B	1	5	0
	C45-3-9	1	31	0
	C45-4-1	2	16	0
	C45-4-4KA	1	2	0
	C45-4-5	1	4	0
	C45-5-1	1	46	0
	C45-5-2	1	0	0
	C45-7-1	1	18	0
	C45-7-2	2	4	0
	C45-8-1-2	2	0	0
	C45-8-2	1	6	0
	C45-8-4	1	9	0
	C45-8-5	1	19	0
	C45-9-1	1	0	0
	C45-9-2	1	45	0
	EL-PLUG-M	1	39	0
	EL314-SJTOW	1	718	0
	MS21044N5	4	89	0
	MS27039-4-08	1	229	0
	NAS1149F0463P	3	539	0
	NAS1149F0563P	8	429	0
Part Specifications				
Specifications could not be found.				

Plex 3/13/19 10:01 AM Dart.Renwick.Jennifer

Loctite 242 (M138933)
 Loctite 620 (S166705)
 Aeroshell grease No. 7 (S138964)
 SaF-t-eze (M128063)

Inspection Sheet Complete RA629

Customer QA Ref #

0

Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
C45-K	AC11005		1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED		S161749	OH191935	Overhaul
SWA6A-3	AC11014		1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED		S161750	OH191938	Overhaul
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					

QC Approval: _____ 0

Date: 0-Jan-00 _____

Special Return/Rework Instructions:

ORIGIN ID: ONTA (909) 974-4611
Jeff Gunn

7000 MERRILL AVE
BLDG A290
Chino, CA 91710
UNITED STATES, US

SHIP DATE: 07MAR19
ACTWGT: 25.00 LB
CAD: 108851781/NET4100
DIMS: 23x15x1 IN
BILL SENDER
EIN/VAT:

TO Overhaul Shop

Dart Aerospace
1270 Aberdeen St.

(613) 632-5200

FedEx
Express

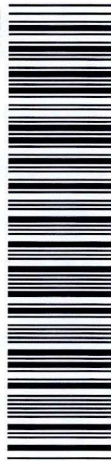
HAWKESBURY, ON K6A1K7
CANADA, CA

(CA)

AWB

S2 YMXA

DSR
PKG: CUSTOMER



TRK# 7746 4598 8819

Fom
0430

PM

INTL ** 2DAY **

REF:
DESC1: aircraft hook
DESC2:
DESC3:
DESC4:
EEI: NO EEI 30.36

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

COUNTRY MFG: US
CARRIAGE VALUE: 5000.00 USD
CUSTOMS VALUE: 5000.00 USD

SIGN: Jeff Gunn
T/C: S 092115437
DT: R

The Montreal or Warsaw Convention may apply and will govern and in most cases limit the liability of Federal Express for loss or delay of or damage to your shipment. Subject to the conditions of the contract on the reverse.

FEDEX AWB COPY - PLEASE PLACE IN POUCH

After printing this label:

FEDEX AWB COPY - PLEASE PLACE BEHIND CONSIGNEE COPY

1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

MAR 12 2019
e-mailed
to RAS
Hook
Swivel
629

Service Order
Southern California Edison
Aircraft Operations-Chino Airport
7000 Merrill Ave, Building A-290
Chino, California 91710-9097
USA
909-974-4646 Fax: 909-974-4686

Order #

3278

Date 3/7/2019

Date Req. 4/3/2019

To: Dart Aerospace Ltd.
1270 Aderdeen St
Hawkesbury, On K6A 1K7
Canada

Return Ship To: Southern California Edison
Aircraft Operations-Chino Airport
7000 Merrill Ave, Building A-290
Chino, California 91710-9097
USA

Contact: Overhaul Shop
Telephone: 613-632-5200

Acct No:
Fax: 613-632-4443

Attn: Ruben Angulo
Telephone: 909-974-4612

Fax: 909-974-4686

Priority Routine		Terms Credit Card		Ship Via FedEx P2		Waybill No.		
Products or Services Ordered								
Item	Qty	U/M	Part Number	Description	Serial No.	Tracking No.	W.O. No.	Comments
1	1	Each	C45-K	Remote Hook	AC11005			
2	1	Each	SWA6A-3	Swivel	AC11014			

Comments:

Our Hook and Swivel is Due for an Overhaul. Thanks for the support, Please call when credit card is needed

Purchasing Agent Angulo, Ruben

Date: 3/7/2019

Approved By: _____

Date: _____

Received By: _____

Date: _____

☐ Verified quantity received agrees with packing slip

This invoice must be completed in English

COMMERCIAL INVOICE

EXPORTER : Tax ID# : Contact Name : Jeff Gunn Telephone No. : 9099744611 E-Mail : ruben.angulo@sce.com Company Name/Address : Jeff Gunn 7000 MERRILL AVE BLDG A290 chino CA 91710 Country : United States Parties to Transaction: ☐ Related ☐ Non-Related Payment Terms : Purpose of Shipment : Commercial	Ship Date : 07 Mar, 2019 Air Waybill No. / Tracking No. / Bill of Lading : 774645988819 Invoice No. : Purchase Order No. :						
CONSIGNEE : Tax ID# : Contact Name : Overhaul Shop Telephone No. : 6136325200 E-Mail : Company Name/Address : Dart Aerospace 1270 Aberdeen St. HAWKESBURY ON K6A1K7 Country : Canada	SOLD TO (if different from Consignee) : ☒ Same as CONSIGNEE : Tax ID# : Company Name/Address : Country :						
If there is a designated broker for this shipment, please provide contact information Name of Broker Tel No. Contact Name Duties and Taxes Payable by ☐ Exporter ☒ Consignee ☐ Other If Other, please specify							
No. of Packages	No. of Units	Unit of Measure	Description of Goods	Harmonized Tariff Number	Country of Origin	Unit Value	Total Value
2.00	EA		Commercial - aircraft hook		US	2,500.000000	5,000.00
Total No. of Packages : 1 Total Weight (Indicate LBS or KGS) : 25.00 lbs						Terms of Sale : FCA	
Special Instructions : Declaration Statement(s) : These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations. I declare that all the information contained in this invoice to be true and correct						Subtotal : 5,000.00	
						Insurance : 0.00	
						Freight : 0.00	
						Packing : 0.00	
						Handling : 0.00	
						Other : 0.00	
						Invoice Total : 5,000.00	
Originator or Name of Company Representative if the invoice is being completed on behalf of a company or individual :						Currency Code : USD	
Signature / Title / Date						07 Mar, 2019	



Remote Cargo Hook Test Form

C45

PRETEST

Work Order

OH 191935

Customer

RA 629

Serial Number

000000640

Date

2019-3-15

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	11,250	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	2,250	Electrical, 25 volts	No "hang ups" permitted	N/A	Pass
2	4,500	Electrical, 22 volts	Current shall not exceed 12.4A	9.0 A	Pass
2	3,500	Electrical, 22 volts	Current shall not exceed 12.4A	9.0 A	Pass
2	2,500	Electrical, 22 volts	Current shall not exceed 12.4A	8.7 A	Pass
2	1,500	Electrical, 22 volts	Current shall not exceed 12.4A	8.5 A	Pass
2	500	Electrical, 22 volts	Current shall not exceed 12.4A	8.1 A	Pass
1	4,500	Electrical, 20 volts	Current shall not exceed 11.3A	7.5 A	Pass
1	4,500	Electrical, 28 volts	Current shall not exceed 15.8A	10.5 A	Pass
1	4,500	Manual		N/A	Pass
1	4,500	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	Pass
1	N/A	Electrical Continuity	Across both wires	N/A	Pass

Test Conducted By:

Michel Lalonde

Signature: _____

Technician

QC 5 Small FAB / QA

Submit



Overhaul Incoming Inspection

C45 Cargo Hook

Customer OH191935 / RA629 / ORDER 14475

Date 2019/03/18

Part Number C45-K

Serial Number AC11005

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

(1) C45-3-7	LINK	☐
(1) C45-2-1	SIDE PLATE MRK	☐
(1) C45-5-1	LEVER STOP PIN	☐
		☐
		☐
		☐
		☐
		☐
		☐
		☐

Inspected By ALAIN PATRY

Work Order OH 191935 / RA629

Customer ORDER. 14475

Serial Number AC 11005

Date 2019/03/18
MAGNAFLUX

Part Number	Description	Quantity	
✓ C45-4-4	Load Beam	1	
✓ C45-13-3	Keeper Shaft	1	
C45-3-7	Link	—	
✓ C45-3-4	Link Pins	2	
✓ C45-3-6	Latch	1	
✓ C45-3-3	Latch Roller	1	
✓ C45-3-2	Latch Roller Pin	1	
✓ C45-3-10	Latch Shaft	1	
✓ C45-12-3	Lock	1	
✓ C45-12-2	Lock Shaft	1	
✓ C45-12-4	Lock Roller	1	
✓ C45-12-5	Lock Roller Pin	1	

ZYGLO

Part Number	Description	Quantity	Pass/Fail
C45-2-1	Side Plate	—	
✓ C45-11-1	Side Plate Solenoid	1	

Test Conducted By:

Signature: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042937**



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO042937

PO Date: 3/20/19

Due Date: 3/26/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

E-MAILED
MAR 22 2019

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH191911	C3-OH	C-Series Remote Hook 3,000 lbs Lift Capacity	Firmed	-	3/26/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note magnaflux											
2	OH191935	C45-K-OH	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless	Firmed	-	3/26/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note magnaflux											
3	OH191938	SWA6A-3-OH	Electric Swivel 6,000 lb Safe Work Load (2,721 kg)	Firmed	-	3/26/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note magnaflux											
Grand Total:											\$534.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042937



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/22/19 1:20 PM dart.lavoie.chantal

**skyservice****Work Order Traveler**

Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO39701	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO042937
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:**CARRY OUT NDT ON :**

1 C-SERIES REMOTE HOOK (10 PCS), P/N# C3-OH , J/S# OH191911

1 C-SERIES REMOTE HOOK (13 PCS), P/N# C45-K-OH , J/S# OH191935

1 ELECTRIC SWIVEL (6 PCS), P/N# SWA6A-3-OH , J/S# OH191938

Action Taken:						Date:	Initial/Stamp:
LPI & MPI INSPECTION CARRIED OUT AS PER ASTM E-1417M-16 AND E-1444M-16							
NO CRACK FOUND							<i>m</i>
PEN , ZL-37 MPO#: 23206 CLEANER SKC-S MPO15030, EMU.(ZR-10B, MPO23451), DEV. MPO15030, UV LIGHT M-20142						MAR 22 2019	
MAGBENCH S/N 208123 CAL DUE: 05-APR-2019							
POWDER 14A BATCH# MPO13600							
CARRIER II BATCH# MPO22794							
BLACK LIGHT-M20186							<i>LV</i>
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp	Date:
Name: RAFIK MELIKIAN		MAR 22 2019

DATE: 2019/04/09

NICKEL PLATING

MODEL: 7350W C45K

5/2

Job : 04191935 / RA629

Order: 14475

[illegible]



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043189



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO043189

PO Date: 4/12/19

Due Date: 4/19/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH191911	C3-OH	C-Series Remote Hook 3,000 lbs Lift Capacity -Issue P/O; -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required	Firmed	-	4/19/19	1 pcs	0 pcs	1 pcs	\$210.00/pcs	\$210.00
2	OH191935	C45-K-OH	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless -Issue P/O; -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0009- .0011 -Bake after plating -Material type; -Certificate of Conformity is required	Firmed	-	4/19/19	1 pcs	0 pcs	1 pcs	\$150.00/pcs	\$150.00
Grand Total:											\$360.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043189



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

A handwritten signature in black ink, appearing to be "Patrick Lussier", written over the bottom right of the Order Notes section.

Plex 4/15/19 11:21 AM dart.Lussier.Patrick



Certificat de Conformité / Certificate of Compliance

(018484-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

018484 - 1

Livré à / Ship to

DART AEROSPACE LTD

1270 ABERDEEN STREET

HAWKESBURY, ON, K6A1K7

CANADA

Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD

1270 ABERDEEN STREET

HAWKESBURY, ON, K6A1K7

CANADA

BUYER:

Date expédition Ship date		Créé Par Generated By		Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.			
18-Apr-2019		SPARTAKOS BOUNTOURIS				PO043189			
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)		CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir / Back Order
1	C3-OH Rev.	C3-OH 01 -E-NIC STEEL 200 [E-NICKEL STEEL 200] QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING		E-NICKEL STEEL LOT	1	1	0	0	0
2	C45-K-OH Rev.	C45-K-OH 01 -E-NIC STEEL 200 [E-NICKEL STEEL 200] QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING		E-NICKEL STEEL CH	1	1	0	0	0

Notes Additionnelles / Additional Notes

2 boxes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

Amel



Approved!

Overhaul Incoming Inspection

C45 Cargo Hook

Customer OH191935 / RA629 / ORDER 14475

Date 2019/03/18

Part Number C45-K

Serial Number AC11005

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

P 5029322	\$ 47.00	(1) C45-3-7	LINK	☒
	\$ 505.00	(1) C45-2-1	SIDE PLATE MRK	☒
	\$ 10.00	(1) C45-5-1	LEVER STOP PIN	☒
				☐
				☐
				☐
				☐
				☐
				☐
				☐

Inspected By ALAIN PATRY

SEE maintenance
3/26/19



Overhaul Incoming Inspection

C45 Cargo Hook

Customer

OH191935 / RA629 / ORDER 14475

Date

2019/03/18

Part Number

C45-K

Serial Number

AC11005

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

(1) C45-3-7 LINK

☐

(1) C45-2-1 SIDE PLATE MRK

☐

(1) C45-5-1 LEVER STOP PIN

☐☐☐☐☐☐☐☐

Inspected By

ALAIN PATRY

Jennifer Renwick

From: Lacey Cantin
Sent: Tuesday, March 26, 2019 12:57 PM
To: Jennifer Renwick; Chantal Chartrand
Subject: RE: No RA# Southern California Swivel & Remote Hook - RA629
Attachments: SCE Approval

Approved!

Chantal can you please add a MISC line to order 14475 with the following notes:

Replacing C45-3-7- \$47.00
C45-2-1 - \$505.00
C45-5-1 - \$10.00
Total \$ 562.00

Thanks
Lacey

From: Jennifer Renwick
Sent: March 18, 2019 4:01 PM
To: Caitlin Crooks <ccrooks@dartaero.com>; Lacey Cantin <lcantin@dartaero.com>
Subject: RE: No RA# Southern California Swivel & Remote Hook - RA629

Hi Lacey,

Please see the attached inspection report with the extra parts needed for the overhaul. Please let me know once the customer has approved so production can continue with the job.

RA629/order 14475 / Job# OH19135

Thank you,
Jen

From: Jennifer Renwick
Sent: Tuesday, March 12, 2019 11:22 AM
To: Lacey Cantin <lcantin@dartaero.com>; Natasha Belanger <nbelanger@dartaero.com>
Cc: Support Eugene <support.or@dartaero.com>
Subject: Re: No RA# Southern California Swivel & Remote Hook

Hi Lacey,

RA629 has been entered for the overhaul. Please keep me posted on the lead-time and what the ship date will be.

Thank you,
Jen

From: Lacey Cantin
Sent: March 12, 2019 11:07 AM
To: Jennifer Renwick
Cc: Support Eugene
Subject: RE: No RA# Southern California Swivel & Remote Hook

Hi Jen,

They never contacted myself or Caitlin for approval. I will reach out to them... In the meantime, I have entered quote 14475. Please let me know when you have an RA#. I am just waiting on Linda to provide lead time so I can open the order.

Thanks,
Lacey

From: Jennifer Renwick
Sent: March 12, 2019 9:55 AM
To: Lacey Cantin <lcantin@dartaero.com>
Cc: Support Eugene <support.or@dartaero.com>
Subject: FW: No RA# Southern California Swivel & Remote Hook

Hi Lacey,

Please see attached that came in for overhaul and has no return#. Can you please advise if they contacted you? Please advise order# and I will enter the return.

Thank you,
Jen

From: Natasha Belanger <nbelanger@dartaero.com>
Sent: Tuesday, March 12, 2019 9:07 AM
To: Jennifer Renwick <jrenwick@dartaero.com>; Lisa McMachen <lmcmachen@dartaero.com>
Subject: No RA# Southern California Swivel & Remote Hook

Good Morning,

We received the above attached Return, but there is no RA#.
Please advise when ready.

Thank you,
Natasha
Receiver

DART AEROSPACE
T 1 613 632-5200 > 248
F 1 613 632-5246



Remote Cargo Hook Test Form

C45

Work Order 191935

Customer RA 629

Serial Number AC 11005

Date 2019-4-25

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	11,250	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	2,250	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	4,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.2 A	Pass
2	3,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.2 A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.0 A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	7.8 A	Pass
1	4,500	Electircal, 20 volts	Current shall not exceed 11.3A	7.2 A	Pass
1	4,500	Electircal, 28 volts	Current shall not exceed 15.8A	10 A	Pass
1	4,500	Manual		N/A	Pass
1	4,500	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By:

Michel Lalonde

Technician

Signature:

Sylvie Boncher

QC 5 Small FAB / QA

Submit